

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643653

Luminaire Tested: GWS-SA6F-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P643653  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SAGF-735-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

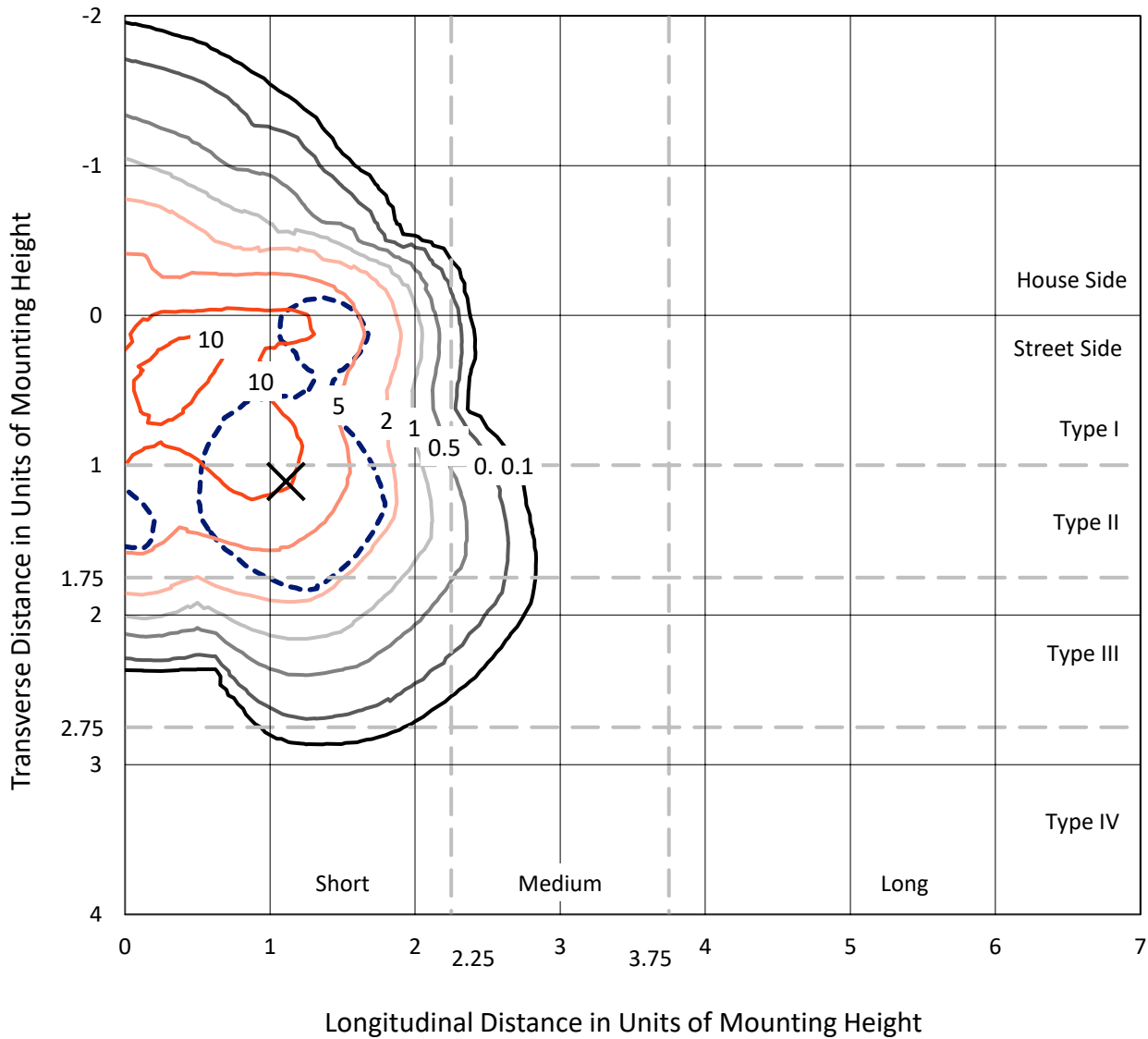
Lumens per Lamp: N/A  
Luminaire Lumens: 26188.2 lumens  
Efficiency: N/A  
Efficacy: 70.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 372.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P643653  
 CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

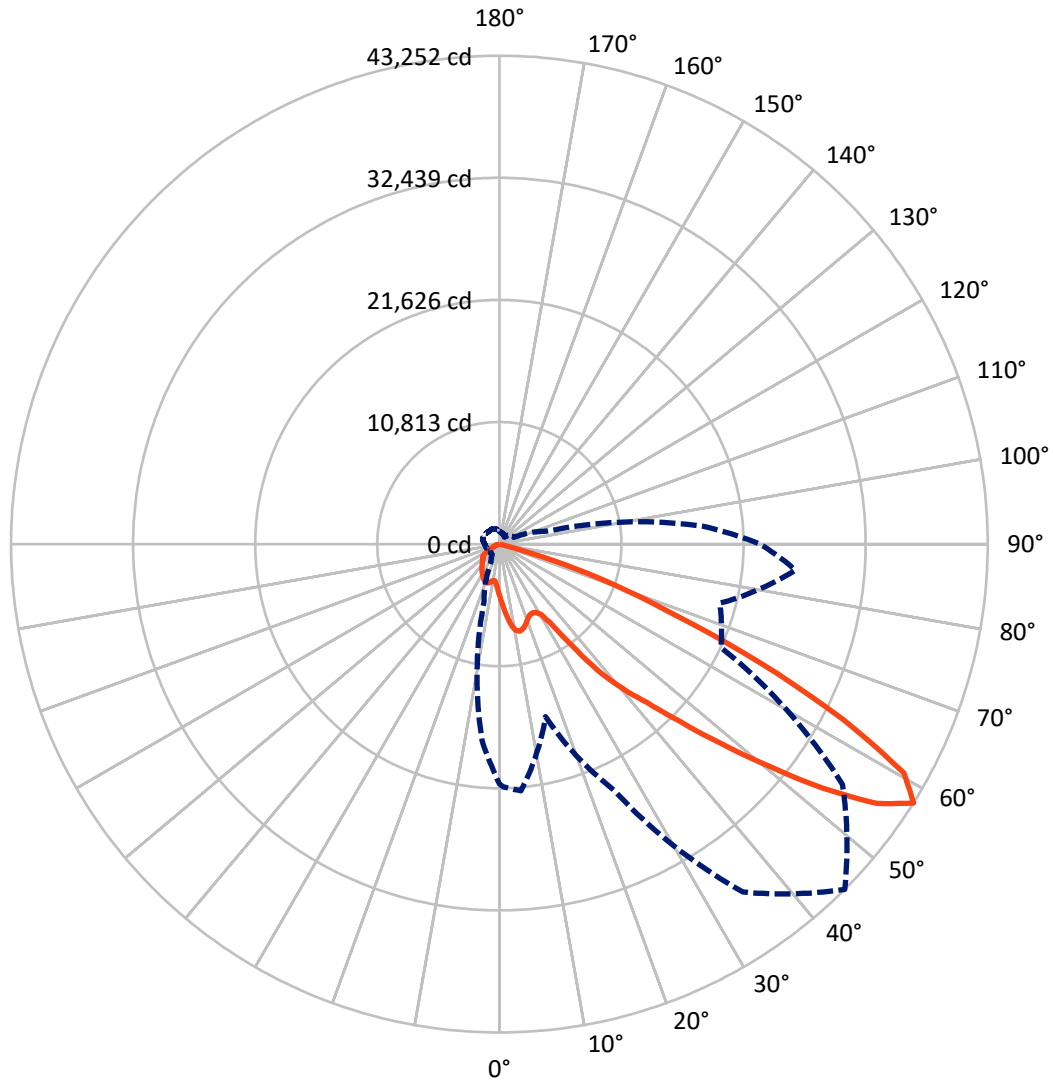
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P643653  
CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P643653  
 CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5864.2	0.0	5864.2
	% Fixture	22.4	0.0	22.4
<b>Street Side</b>	Lumens	20324.0	0.0	20324.0
	% Fixture	77.6	0.0	77.6
<b>Total</b>	Lumens	26188.2	0.0	26188.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	452.8	1.7
10°-20°	1464.8	5.6
20°-30°	2379.5	9.1
30°-40°	3676.7	14.0
40°-50°	5895.6	22.5
50°-60°	8057.7	30.8
60°-70°	3902.6	14.9
70°-80°	357.3	1.4
80°-90°	1.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26188.2	100.0
0°-180°	26188.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P643653

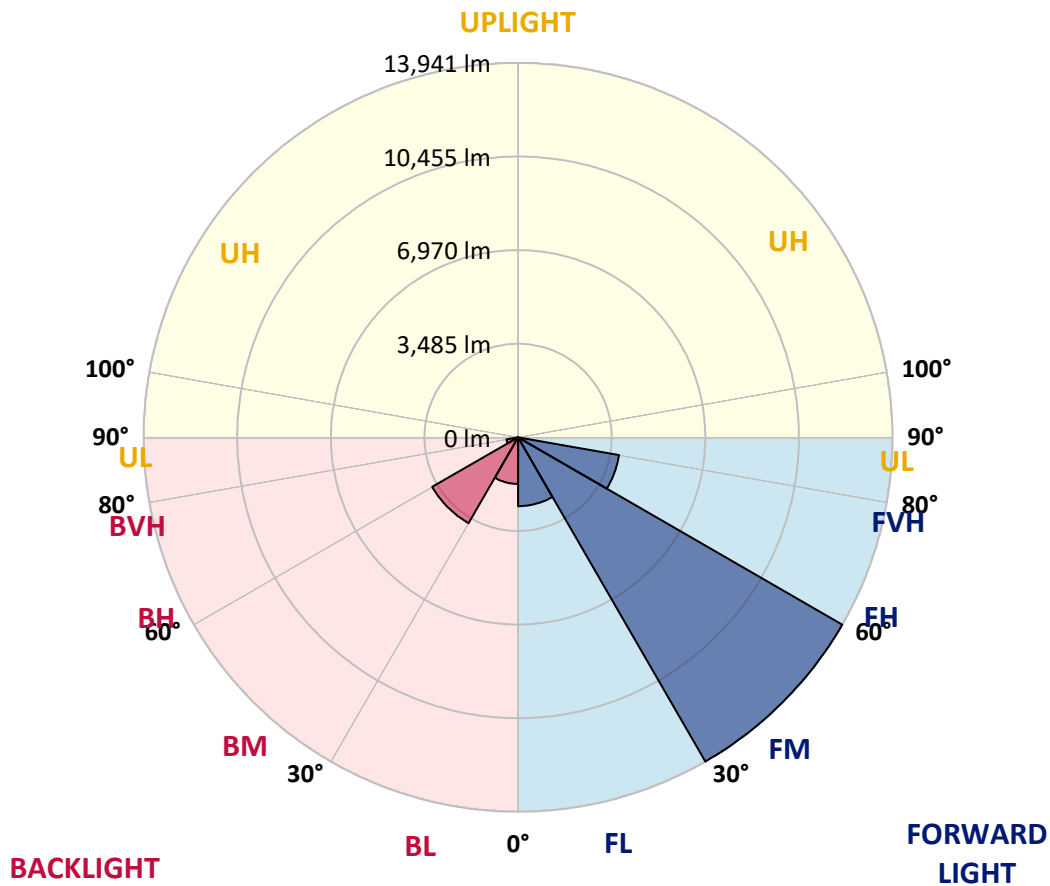
CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2562.0	9.8			
FM (30°-60°)	13940.6	53.2			
FH (60°-80°)	3820.4	14.6			G2/5000
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	1735.2	6.6	B3/2500		
BM (30°-60°)	3689.5	14.1	B3/5000		
BH (60°-80°)	439.5	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type III Short





REPORT NUMBER: P643653

CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9
2.5°	4986.4	5018.1	5070.9	5183.5	5278.5	5341.8	5370.0	5363.0	5324.3	5296.1	5239.8
5°	5521.3	5521.3	5623.4	5880.3	6077.3	6200.5	6263.8	6225.1	6147.7	6024.5	5834.5
7.5°	5989.3	6006.9	6179.4	6545.3	6844.5	7020.4	7122.5	7101.4	6964.1	6728.3	6348.3
10°	6355.3	6376.4	6605.2	7052.1	7404.0	7583.5	7734.8	7748.8	7597.5	7284.3	6848.0
12.5°	6710.7	6731.9	6971.1	7400.5	7710.1	7784.0	7917.8	7970.5	7931.8	7710.1	7256.2
15°	7094.3	7143.6	7347.7	7667.9	7798.1	7710.1	7798.1	7893.1	8023.3	8002.2	7594.0
17.5°	7470.8	7506.0	7713.7	7826.3	7682.0	7453.3	7495.5	7608.1	7903.7	8192.2	7928.3
20°	7819.2	7868.5	8040.9	7893.1	7456.8	7101.4	7104.9	7252.7	7703.1	8308.4	8269.7
22.5°	8185.2	8259.1	8382.3	7967.0	7249.1	6823.3	6840.9	6974.7	7544.7	8417.5	8656.7
25°	8663.8	8734.2	8815.1	8150.0	7182.3	6686.1	6753.0	6876.1	7544.7	8604.0	9135.3
27.5°	9311.3	9360.6	9364.1	8491.4	7298.4	6707.2	6848.0	6988.7	7770.0	8977.0	9775.8
30°	10124.2	10201.6	10099.5	9022.7	7660.9	6988.7	7196.4	7372.3	8255.6	9606.9	10718.9
32.5°	11113.0	11222.1	11084.9	9811.0	8417.5	7960.0	8336.5	8438.6	9029.8	10518.3	11788.7
35°	12274.3	12365.8	12218.0	10901.9	10184.0	10268.5	10951.1	10820.9	10585.2	11640.9	13037.9
37.5°	13548.2	13632.6	13347.6	12555.8	12795.1	13161.1	14252.0	13805.1	13044.9	13087.2	14392.7
40°	14716.5	14808.0	14361.1	14354.0	14846.7	15515.3	16831.4	16215.6	15181.0	14980.4	15663.1
42.5°	15927.0	15990.4	15585.7	15311.2	16430.2	17806.2	19199.7	18369.2	16595.6	16377.4	17253.7
45°	17654.8	17788.6	17067.2	15782.7	17855.4	20441.9	22384.4	20762.1	17559.8	17383.9	19688.8
47.5°	20195.6	20294.1	18823.2	16078.3	19182.1	23725.1	26364.4	23865.9	18407.9	18006.7	23017.8
50°	22296.4	22363.3	20438.4	16402.1	20593.2	27265.2	30900.4	27546.8	19361.6	19037.8	26125.1
52.5°	23844.8	24098.1	22560.3	17067.2	22447.7	31428.2	35922.0	31906.8	20850.1	21029.6	28701.0
55°	24165.0	24509.9	24010.2	17475.4	24080.5	35668.6	40560.0	35809.4	22335.1	22539.2	29566.7
57.5°	21237.2	21511.7	21926.9	15828.5	24041.8	37611.1	43252.1	37104.4	21659.5	20213.2	26325.7
60°	15909.4	16099.4	16852.5	12098.3	22109.9	35893.8	41154.8	34901.5	18939.3	15423.8	20058.3
62.5°	9434.4	9518.9	10472.6	7836.8	18351.6	30910.9	34130.8	30115.6	14966.3	10374.0	12284.8
65°	3621.1	3585.9	4314.3	3867.4	13495.4	24622.5	25386.1	22958.0	10268.5	4754.2	4683.8
67.5°	559.5	534.9	721.4	1143.7	9733.6	17063.7	16750.5	16546.4	6432.7	1108.5	967.7
70°	126.7	126.7	154.8	337.8	5947.1	10025.6	10729.4	10229.7	4117.2	235.8	126.7
72.5°	59.8	59.8	73.9	144.3	2153.6	4131.3	4814.0	4740.1	1337.2	77.4	45.7
75°	21.1	24.6	24.6	31.7	130.2	214.7	492.7	351.9	84.5	0.0	0.0
77.5°	7.0	7.0	7.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.5	3.5	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P643653

CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9
2.5°	5116.6	5092.0	5000.5	4877.3	4757.7	4652.1	4543.0	4412.8	4317.8	4208.7	4173.5
5°	5686.7	5531.9	5282.0	5021.6	4782.3	4578.2	4381.2	4170.0	4015.2	3860.3	3807.6
7.5°	6168.8	5940.1	5535.4	5144.8	4817.5	4529.0	4243.9	3955.4	3730.1	3547.2	3490.9
10°	6601.7	6337.7	5795.8	5313.7	4902.0	4567.7	4222.8	3860.3	3568.3	3350.1	3297.3
12.5°	6974.7	6668.5	6017.5	5440.4	4937.2	4553.6	4219.3	3930.7	3666.8	3417.0	3350.1
15°	7287.9	6950.0	6204.0	5524.8	4884.4	4377.6	4085.6	4039.8	4018.7	3744.2	3614.0
17.5°	7594.0	7214.0	6355.3	5563.5	4736.6	4068.0	3856.8	4064.4	4286.1	4106.7	3941.3
20°	7914.2	7481.4	6510.2	5570.6	4490.2	3719.6	3684.4	4011.7	4293.2	4236.9	4082.0
22.5°	8290.8	7815.7	6703.7	5567.1	4180.6	3424.0	3557.7	3909.6	4138.3	4134.8	4011.7
25°	8836.2	8238.0	6964.1	5588.2	3842.8	3195.3	3417.0	3737.2	3923.7	3916.7	3814.6
27.5°	9420.4	8741.2	7301.9	5641.0	3554.2	3061.5	3251.6	3501.4	3663.3	3656.2	3568.3
30°	10240.3	9321.8	7625.7	5644.5	3346.6	2991.2	3068.6	3241.0	3395.8	3378.2	3311.4
32.5°	11236.2	9976.4	7896.6	5443.9	3216.4	2924.3	2878.5	2966.5	3086.2	3061.5	3043.9
35°	12439.7	10754.1	8128.9	5004.0	3015.8	2790.6	2667.4	2685.0	2769.5	2783.5	2776.5
37.5°	13812.1	11679.6	8417.5	4423.4	2744.8	2597.0	2431.6	2417.6	2466.8	2512.6	2547.8
40°	15166.9	12721.2	8808.1	3835.7	2498.5	2350.7	2192.3	2157.1	2178.3	2259.2	2333.1
42.5°	16690.6	13928.2	9230.3	3332.5	2329.6	2079.7	1928.4	1861.6	1921.4	2051.6	2139.6
45°	18886.5	15620.9	9642.1	2931.3	2259.2	1840.4	1636.3	1629.3	1696.2	1865.1	1963.6
47.5°	21969.1	17809.7	9913.0	2618.1	2255.7	1653.9	1411.1	1453.3	1530.8	1696.2	1808.8
50°	24974.4	20551.0	9613.9	2378.8	2181.8	1530.8	1242.2	1326.7	1404.1	1548.4	1664.5
52.5°	26786.7	22025.4	8449.1	2153.6	1953.0	1474.5	1076.8	1224.6	1238.7	1368.9	1492.1
55°	26596.6	21071.8	6471.4	1805.2	1615.2	1393.5	904.4	1105.0	1112.0	1210.5	1316.1
57.5°	23084.7	18091.2	4444.5	1463.9	1214.1	1150.7	746.0	932.5	999.4	1059.2	1136.6
60°	17204.4	13199.8	1981.2	1189.4	770.7	777.7	636.9	703.8	805.9	876.2	943.1
62.5°	10138.3	7594.0	805.9	714.4	425.8	489.1	513.8	513.8	577.1	629.9	672.1
65°	3832.2	2656.8	327.3	358.9	221.7	228.7	302.6	373.0	422.3	468.0	524.3
67.5°	672.1	464.5	168.9	133.7	130.2	116.1	154.8	242.8	271.0	306.2	330.8
70°	112.6	95.0	70.4	66.9	59.8	63.3	102.1	172.4	190.0	200.6	211.1
72.5°	31.7	28.2	21.1	17.6	14.1	17.6	63.3	133.7	140.8	147.8	158.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	24.6	95.0	102.1	105.6	116.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	28.2	35.2	28.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P643653  
 CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9
2.5°	4152.4	4082.0	4043.3	4022.2	4022.2	3994.1	3962.4	3951.8	3997.6	3997.6	4075.0
5°	3740.7	3684.4	3621.1	3582.3	3522.5	3533.1	3497.9	3494.4	3540.1	3561.2	3642.2
7.5°	3455.7	3385.3	3346.6	3321.9	3290.3	3276.2	3244.5	3234.0	3258.6	3293.8	3371.2
10°	3265.6	3255.1	3251.6	3269.2	3269.2	3251.6	3223.4	3205.8	3212.9	3279.7	3367.7
12.5°	3314.9	3336.0	3343.1	3371.2	3385.3	3371.2	3350.1	3357.1	3402.9	3526.0	3656.2
15°	3529.6	3512.0	3504.9	3519.0	3529.6	3515.5	3508.4	3561.2	3719.6	3895.5	4043.3
17.5°	3758.3	3645.7	3596.4	3596.4	3603.5	3596.4	3603.5	3705.5	3962.4	4138.3	4247.4
20°	3874.4	3666.8	3589.4	3571.8	3585.9	3589.4	3614.0	3730.1	4011.7	4134.8	4159.5
22.5°	3839.2	3578.8	3490.9	3476.8	3490.9	3504.9	3529.6	3628.1	3892.0	3955.4	3944.8
25°	3663.3	3406.4	3336.0	3336.0	3367.7	3364.2	3374.7	3445.1	3663.3	3702.0	3684.4
27.5°	3441.6	3198.8	3139.0	3174.1	3202.3	3195.3	3198.8	3258.6	3420.5	3431.0	3413.4
30°	3216.4	3005.2	2948.9	2991.2	3029.9	3022.8	3026.3	3086.2	3188.2	3177.7	3153.0
32.5°	2987.6	2832.8	2790.6	2815.2	2875.0	2868.0	2882.1	2945.4	2984.1	2938.4	2910.2
35°	2776.5	2695.6	2663.9	2678.0	2723.7	2734.3	2758.9	2801.1	2801.1	2744.8	2695.6
37.5°	2579.4	2568.9	2547.8	2530.2	2572.4	2604.1	2639.3	2688.5	2618.1	2537.2	2491.5
40°	2396.4	2442.2	2414.0	2368.3	2392.9	2438.7	2509.0	2547.8	2463.3	2382.4	2304.9
42.5°	2227.5	2304.9	2294.4	2238.1	2259.2	2301.4	2382.4	2414.0	2315.5	2224.0	2150.1
45°	2065.7	2174.7	2181.8	2111.4	2132.5	2174.7	2269.8	2280.3	2153.6	2055.1	2002.3
47.5°	1924.9	2044.5	2048.1	1995.3	2002.3	2062.1	2150.1	2153.6	2009.4	1917.9	1851.0
50°	1791.2	1928.4	1939.0	1893.2	1900.3	1970.6	2044.5	2030.5	1875.6	1780.6	1720.8
52.5°	1629.3	1815.8	1840.4	1819.3	1847.5	1903.8	1949.5	1900.3	1720.8	1625.8	1573.0
55°	1453.3	1696.2	1748.9	1734.9	1766.5	1812.3	1822.8	1791.2	1566.0	1470.9	1421.7
57.5°	1249.2	1397.0	1488.5	1460.4	1485.0	1530.8	1562.4	1537.8	1368.9	1295.0	1252.8
60°	1034.6	1133.1	1154.2	1108.5	1087.4	1168.3	1242.2	1210.5	1066.3	1020.5	971.2
62.5°	756.6	869.2	883.3	823.4	798.8	886.8	950.1	918.5	760.1	710.8	672.1
65°	605.3	710.8	739.0	682.7	668.6	735.5	774.2	696.8	584.2	531.4	489.1
67.5°	397.6	482.1	556.0	552.5	524.3	545.4	517.3	454.0	373.0	344.9	316.7
70°	246.3	295.6	341.3	358.9	355.4	348.4	309.7	263.9	239.3	228.7	214.7
72.5°	190.0	239.3	274.5	285.0	288.6	278.0	246.3	204.1	179.5	165.4	154.8
75°	140.8	179.5	207.6	221.7	228.7	221.7	190.0	161.9	137.2	126.7	116.1
77.5°	49.3	59.8	73.9	80.9	77.4	73.9	66.9	66.9	52.8	49.3	42.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P643653  
 CATALOG NUMBER: GWS-SA6F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9	4602.9
2.5°	4163.0	4226.3	4342.5	4448.0	4560.6	4676.8	4803.4	4933.6	4993.5	4986.4
5°	3765.3	3902.6	4092.6	4300.2	4532.5	4782.3	5060.3	5345.4	5468.5	5521.3
7.5°	3515.5	3709.0	3958.9	4222.8	4529.0	4884.4	5303.1	5750.1	5929.5	5989.3
10°	3547.2	3772.4	3980.0	4236.9	4564.1	5025.1	5546.0	6077.3	6288.5	6355.3
12.5°	3804.0	3853.3	3909.6	4120.8	4532.5	5130.7	5767.6	6401.1	6643.9	6710.7
15°	4036.3	3807.6	3702.0	3895.5	4419.9	5204.6	5992.9	6749.4	7016.9	7094.3
17.5°	4046.9	3702.0	3466.2	3617.5	4236.9	5236.3	6214.6	7104.9	7396.9	7470.8
20°	3916.7	3585.9	3283.2	3286.7	3987.0	5229.2	6397.5	7425.1	7752.4	7819.2
22.5°	3726.6	3448.6	3135.4	3026.3	3719.6	5215.2	6598.1	7766.4	8121.9	8185.2
25°	3515.5	3272.7	2994.7	2829.3	3452.1	5229.2	6879.7	8213.4	8604.0	8663.8
27.5°	3286.7	3079.1	2885.6	2751.9	3226.9	5282.0	7217.5	8783.4	9247.9	9311.3
30°	3047.5	2892.6	2815.2	2734.3	3086.2	5296.1	7583.5	9448.5	10036.2	10124.2
32.5°	2811.7	2727.2	2730.7	2744.8	2952.4	5197.6	7917.8	10187.5	10972.3	11113.0
35°	2593.5	2568.9	2639.3	2709.6	2758.9	4944.2	8209.8	11060.2	12130.0	12274.3
37.5°	2407.0	2428.1	2516.1	2586.5	2547.8	4585.3	8596.9	12151.1	13425.0	13548.2
40°	2227.5	2280.3	2382.4	2414.0	2385.9	4166.5	9061.4	13203.3	14547.6	14716.5
42.5°	2062.1	2100.8	2245.1	2252.2	2340.1	3740.7	9508.3	14336.4	15839.0	15927.0
45°	1928.4	1921.4	2069.2	2114.9	2400.0	3269.2	9944.7	15846.1	17528.2	17654.8
47.5°	1798.2	1791.2	1826.4	2034.0	2424.6	2832.8	10377.5	18056.0	19977.4	20195.6
50°	1675.0	1685.6	1576.5	1995.3	2290.9	2498.5	10574.6	20100.6	22204.9	22296.4
52.5°	1566.0	1527.2	1337.2	1868.6	2005.8	2181.8	10015.1	21029.6	23584.4	23844.8
55°	1411.1	1196.5	1101.4	1516.7	1583.6	1903.8	8202.8	20491.2	23704.0	24165.0
57.5°	1207.0	939.6	936.1	1119.0	1119.0	1766.5	5253.9	17507.0	20427.8	21237.2
60°	929.0	728.4	774.2	777.7	717.9	1288.0	2948.9	12682.5	15103.6	15909.4
62.5°	661.6	556.0	584.2	464.5	411.7	644.0	1414.6	7301.9	9321.8	9434.4
65°	443.4	376.5	306.2	256.9	253.4	274.5	584.2	2639.3	3209.3	3621.1
67.5°	292.1	228.7	161.9	161.9	183.0	183.0	221.7	436.4	612.3	559.5
70°	190.0	158.4	102.1	98.5	119.6	119.6	112.6	119.6	126.7	126.7
72.5°	140.8	119.6	59.8	52.8	66.9	70.4	63.3	59.8	59.8	59.8
75°	105.6	84.5	35.2	24.6	31.7	42.2	35.2	24.6	24.6	21.1
77.5°	42.2	31.7	14.1	10.6	17.6	24.6	21.1	10.6	7.0	7.0
80°	3.5	7.0	7.0	7.0	10.6	14.1	17.6	7.0	3.5	3.5
82.5°	0.0	3.5	3.5	3.5	7.0	10.6	14.1	7.0	3.5	3.5
85°	0.0	0.0	0.0	0.0	7.0	10.6	7.0	3.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	3.5	10.6	7.0	3.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)